

MSDS Pak-Mix Cement Fortifier

MATERIAL SAFETY DATA SHEET
 OKON, Inc.

I COMPANY IDENTIFICATION and PRODUCT INFORMATION

Manufacturer **
 OKON, Inc
 6000 West 13th Avenue
 Lakewood, CO 80214

TELEPHONE: 303/232-3571
 800-237-0565
 PREPARED: 10/8/99
 PREPARER: F. Livingston

Product Name: Pak-Mix Cement Fortifier Formula: Mixture
 Chemical Name: Modified acrylic emulsion Chemical Family: Styrene acrylic latex mixture

II. PRODUCT COMPOSITION

Item	Chemical Name	CAS #	Wt/Wt %	
A	Acetaldehyde	75-07-0	0.02%	
B	Vinyl Acetate	108-05-4	0.05%	
C	Particulates NOC	None	Mists	
Exposure Limits ACGIH		OSHA		
Item	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING
A	NA	25 ppm	100 ppm	150 ppm
B	10 ppm	15 ppm	10 ppm	20 ppm
C	10 mg/m ³ inhalable		15 mg/m ³ total	
	3 mg/m ³ respirable		5 mg/m ³ respirable	

III HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW ** White, non-flammable liquid. Wash skin and eyes until clear. Clean clothes before re-use

POTENTIAL HEALTH EFFECTS ** None expected from available information.

EFFECTS OF OVEREXPOSURE -

EYE CONTACT ** Direct contact may cause eye irritation.

SKIN CONTACT ** Prolonged contact may cause transient reddening of the skin.

SKIN ABSORPTION ** No evidence of adverse effects from available information.

INGESTION ** No evidence of adverse effects from available information.

INHALATION ** Trace component and residual monomer vapors may be irritating to eyes, mucous membranes, respiratory tract, and may produce symptoms of headache, nausea in poorly ventilated areas

CHRONIC HAZARDS ** No evidence of adverse effects from available information

EFFECTS OF REPEATED EXPOSURE AND MEDICAL CONDITIONS AGGRAVATED ** No evidence of adverse effects from available information.

IV. FIRST AID MEASURES

EYE CONTACT ** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT ** Wash skin with soap and water until water is no longer cloudy. Get medical attention if irritation develops or persists. If clothing is soaked, remove and wash before re-use.

INHALATION ** No emergency care anticipated.

INGESTION ** No harmful effects expected

NOTES TO PHYSICIAN ** Toxicology studies of a similar material have shown this material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition

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V FIRE FIGHTING MEASURES

Flash Point: N/A Autoignition Temperature: N/A
Flammable Limits in Air % by Volume: Lower: N/A Upper: N/A
Extinguishing Media: Alcohol foam, CO₂, Dry Chemical, Foam
Unusual Fire & Explosion Hazards: Product will not burn but may spatter if temperature exceeds boiling point of water. Dried solids can burn, giving off oxides of carbon.

SPECIAL FIRE FIGHTING PROCEDURES ** Use breathing apparatus when fighting fires in enclosed areas. This product is a non-flammable aqueous emulsion. After water evaporates, remaining material will burn.

VI ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED ** Restrict area to only those personnel needed. Major spills should be collected for disposal. Minor spills may be flushed to sewer if permitted by Local, State & Federal regulations.

VII. HANDLING AND STORAGE

HANDLING / STORAGE WARNINGS ** Avoid breathing vapors in top of shipping container. Wash thoroughly after handling. Keep container closed when not in use. Use with adequate ventilation. Avoid contact with skin and clothing.

VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS ** Avoid inhalation of product spray through the use of engineering controls. General (mechanical) room ventilation is expected to be satisfactory. Use local exhaust if needed to control mist or vapor.

RESPIRATORY PROTECTION ** None should be required. If necessary, use OSHA/NIOSH-approved respirators in poorly ventilated areas to keep exposures to mists below the OSHA PEL.

EYE PROTECTION ** Safety glasses and available eye bath.

SKIN PROTECTION ** Use gloves impervious to water and soap.

OTHER PROTECTIVE EQUIPMENT ** None.

HYGENIC PRACTICES ** Wash hands thoroughly before eating, smoking or using the wash room, after handling. Do not smoke in any chemical handling or storage area.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212° F / 100° C

Specific Gravity (Water = 1): 1.04 g / ml

Vapor Pressure (mm Hg): Same as water

Vapor Density (Air = 1) <1

Evaporation Rate: Is slower than Butyl Acetate

Freezing Point: Same as water

Solubility in Water: Dilutable

Physical State: Liquid

Appearance: Milky White

Odor: Mild

X STABILITY AND REACTIVITY

Stability This product is stable under normal storage conditions

Conditions to Avoid: None known

Incompatibility (Materials to avoid): Water reactive materials

Hazardous Decomposition Products: Carbon dioxide and/or carbon monoxide

Hazardous Polymerization: Will not occur under normal conditions

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XI. TOXICOLOGICAL PROPERTIES

TOXICITY ** Information on analogous products shows minimal toxicity concerns.

SPECIAL RESIDUAL COMPONENT WARNINGS ** This product may contain small amounts of vinyl acetate, vapors of which have been shown to cause tumors of the respiratory tract of laboratory animals. There is no evidence that it has caused cancer in humans. There should be minimal risk when used with ventilation adequate to keep the atmospheric concentration of vinyl acetate below the recommended exposure limit.

XII. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION ** Not expected to be toxic to fish or plants. Polymer is not biodegradable. Product is not RCRA hazardous.

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD ** Recycle or incinerate or absorb water and bury in a suitable landfill in compliance with federal, state and local regulations.

XIV. TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Not Established

DOT Technical Name: NA

DOT Hazard Class: None

Hazard Subclass: None

UN / NA Number: None

Packing Group: NA

Resp. Guide Page: NA

XV. REGULATORY INFORMATION

US FEDERAL REGULATIONS: As follows **

OSHA ** Not hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313 ** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None.

TOXIC SUBSTANCES CONTROL ACT ** The chemical substances in this product are on the TSCA Section 8 Inventory

NOTE: These data are offered in good faith. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use. It is expected that individuals receiving this information will exercise their independent judgment in determining its appropriateness for a particular purpose.